

Figure 1

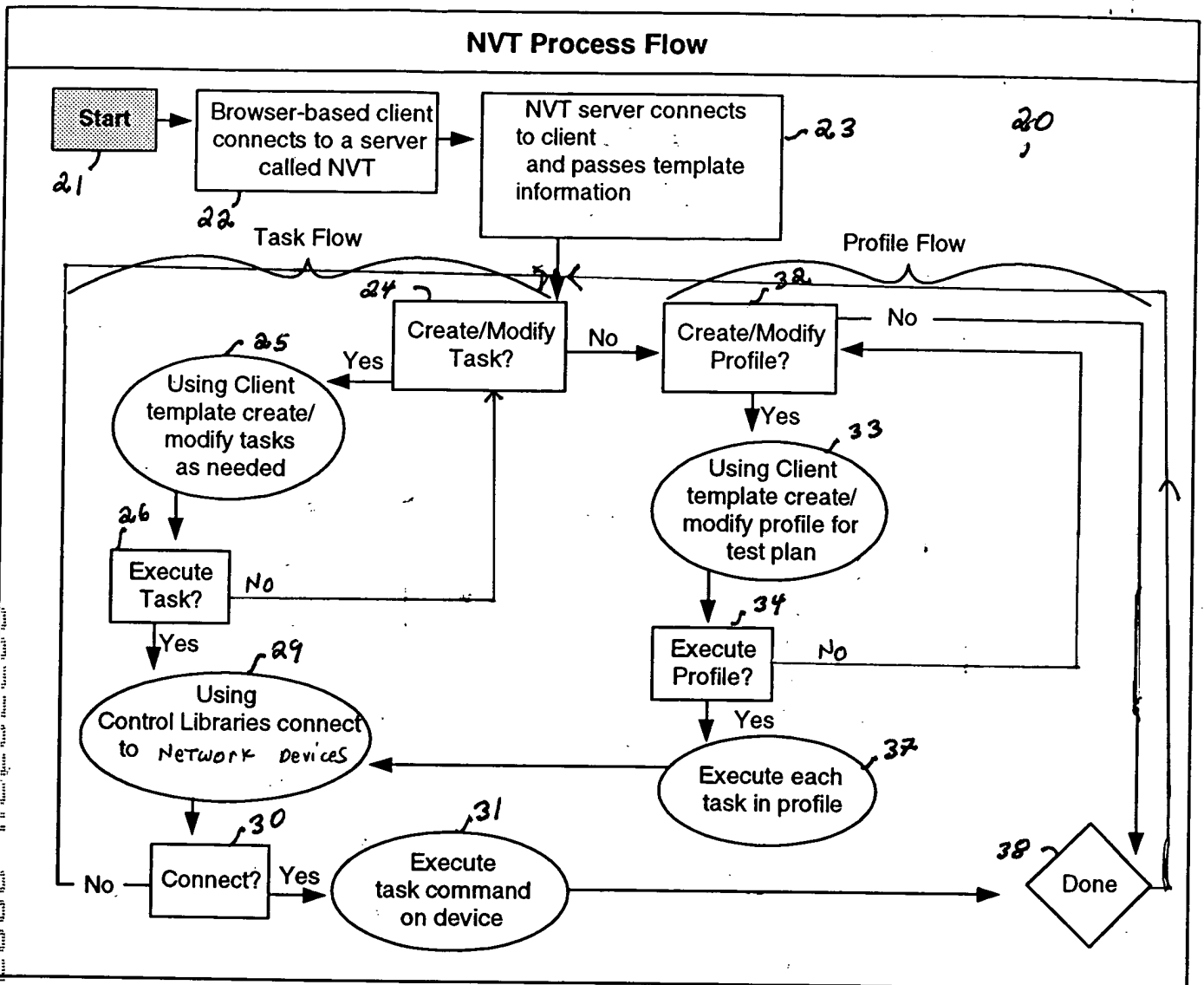


Figure 2

# Traffic Generator

## Task Settings

Task Name  ~ 57  
 Task Description  ~ 58  
 Device and Interface  ~ 59

## Traffic Stream Type

Protocol  ~ 60 Media-Encap  ~ 61

## Traffic Stream Settings

☒ Traffic Stream Status ~ 63  
 Rate (PPS)  ~ 64  
 Length (bytes)  Random  by   
☐ Burst Duration ~ 65  
 Low Range ON  High Range ON   
 Low Range OFF  High Range OFF

## Ethernet-ARPA header

Destination  Constant  by   
 Source  Constant  by   
 Protocol  Constant  by

## IP Header

Version  Constant  by   
 Hdr-Length  Constant  by   
 TOS  Constant  by   
 Length  Constant  by   
 ID  Constant  by   
 Fragmentation  Constant  by   
 TTL  Constant  by   
 Protocol  Constant  by   
 Checksum  Constant  by   
 Source  Constant  by   
 Destination  Constant  by   
 Option Length  Constant  by

## Data

Length   
 Fill Pattern  Increment by

Figure 3

## Traffic Analyzer

**Task Settings**

104

Task Name  ~101

Task Description  ~102

Device and Interface  ~103

Capture Buffer Settings

105

Name  ~106

Size  1000 ~107

Type  Circular ~108

Packet Filter Settings

☒ Active *~110*

*109*

Mode *~112*

Direction *~112*

Protocol *~113*

☐ Packet Size *~114*

Length *~115*

Limit *~116*

Figure 4

## Session Emulator

201

### Task Settings

200

Task Name

~201

Task Description

~210

### Traffic Settings

202

☐ Traffic Stream Status ~203

211

Length (bytes) auto

Constant

to

by

0

☐ Burst Duration ~204

Low Range ON

600

Low Range OFF

300

High Range ON

200

High Range OFF

600

☐ Send Mode Values ~205

Interval

000

Window Size

000

Send Mode

Delay

Rate

0

Delay

0

Fill Pattern

Default

~214

### Primary Station Settings

206

Device and Control Interface

R5-Pagant-00-Ethernet1

~219

Test Interfaces

~220

☐ Token Ring Explorer ~221

### Secondary Station Settings

207

Device and Control Interface

R5-Pagant-00-Ethernet1

~222

Test Interfaces

~223

☐ Token Ring Explorer ~224

### Detailed Error Log

208

☐ Data Errors ~225

☐ Missing Packet Errors ~226

☐ Out-of-Sequence Errors ~227

Figure 5A

## LLC2 Session Emulator

Figure 5B

300- Task Settings

301 Task Name 303

304 Task Description

Traffic Settings

302 ☐ Traffic Stream Status 305

Data Length 50 306

Inter-Packet Delay 10 307

Primary Station Settings

308 Device and Interface R5-Pagent-e0-Ethernet1 310

Dest Mac Address 0000.0000.0000 311

Dest SAP Value 00 312

Source SAP Value 00 313

Secondary Station Settings

309 Device and Interface R5-Pagent-e0-Ethernet1 314

Local SAP Value 00 315

## SDLC Session Emulator

Figure 5C

320- Task Settings

301 Task Name 303

304 Task Description

Traffic Settings

302 ☐ Traffic Stream Status 305

Data Length 50 306

Inter-Packet Delay 10 307

Primary Station Settings

316 Device and Interface R5-Pagent-e0-Ethernet1 310

SDLC Address 00 318

Secondary Station Settings

317 Device and Interface R5-Pagent-e0-Ethernet1 314

SDLC Address 00 319

## BGP Large Network Emula

**Task Settings**

401 Task Name                      402  
 Task Description                      403  
 Device PageB-console 404

**Traffic Stream Settings**

405  
☐ Traffic Stream Status 406  
☐ Flap Duration 407  
 Low Range ON 600 408 High Range ON 200  
 Low Range OFF 800 High Range OFF 500

**IP Addresses**

409 Source 0.0.0.0 410  
 Destination 0.0.0.0 411

**BGP Settings**

412 Networks to Advertize 5 413  
 Local AS 100 414  
 Remote AS 101 415  
 Network Start Address 0.0.0.0 416  
 Network Subnet Mask 0.0.0.0 417  
 Low Path Length 2 418 High Path Length 7 419

## IP-RIP Large Network Emulator

**Task Settings**

401 Task Name                      402  
 Task Description                      403  
 Device PageB-console 404

**Traffic Stream Settings**

405  
☐ Traffic Stream Status 406  
☐ Flap Duration 407  
 Low Range ON 600 408 High Range ON 200  
 Low Range OFF 800 High Range OFF 500

**IP Settings**

451 Source 0.0.0.0 463

**IP-RIP Settings**

452 Send Interval 30 454  
 Networks to Advertize 100 455  
 Network Start 0.0.0.0 456  
 Network Subnet Mask 0.0.0.0 457  
 Low Hop Count 2 458 High Hop Count 7 459

# EIGRP Large Network Emulator

**Task Settings**

Task Name  402

Task Description  403

Device  404

**Traffic Stream Settings**

☐ Traffic Stream Status 406

☐ Flap Duration 407

Low Range ON  408 - High Range ON  405

Low Range OFF  - High Range OFF

**IP-EIGRP Settings**

Source  423

Local AS  424

Networks to Advertize  425

**EIGRP Network Settings**

Addresses per TLV  426

Network Start Address  427

Network Subnet Mask  428

Low Hop Count  429 High Hop Count  435

Low Delay Per Hop  430 High Delay Per Hop  436

Low Bandwidth  431 High Bandwidth  437

Low MTU  432 High MTU  438

Low Reliability  433 High Reliability  439

Low Load  434 High Load  440

**Extetror EIGRP Settings**

Router ID  ~442

Remote AS  ~443

Admin Tac  ~444

External Protocol  ~445

External Protocol Metric  ~446

Flag value  ~447

figure 6B

420~

421~

422~

05370724 053709



# IPX-RIP Large Network Emulator

**Task Settings**

Task Name  402

Task Description  403

Device  Page8B console 404

**Traffic Stream Settings**

☐ Traffic Stream Status 406 405

☐ Flap Duration 407

Low Range ON  608 408 High Range ON  1208

Low Range OFF  308 High Range OFF  508

**IPX Settings**

Send Interval  60 462

Networks to Advertise  100 463

Encapsulation  ARPA 464

Network  00000000 465

**IPX-RIP Settings**

Network Start  00000000 467

Low Hop Count  2 468 High Hop Count  7 469

Low Cost Per Hop  2 470 High Cost Per Hop  10 471

# OSPF Large Network Emulator

**Task Settings**

Task Name  402

Task Description  403

Device  Page8B console 404

**Traffic Stream Settings**

☐ Traffic Stream Status 406 405

☐ Flap Duration 407

Low Range ON  608 408 High Range ON  1208

Low Range OFF  308 High Range OFF  508

**IP Settings**

Source  0.0.0.0 477

**OSPF Settings**

Router ID  1.1.1.1 479

Area  0.0.0.0 480

Network  101 481

Stub Networks  5 482

Clusters  2 483

Rows Per Cluster  2 484 Columns Per Cluster  7 485

☐ Summary Links 486

Number of Links  2074 487

Network Start  100.0.0.0 489

Router Index  1 488

Subnet Mask  255.0.0.0 490

☐ External Links 491

Number of Links  1001 492

Network Start  100.0.0.0 494

Router Index  2 493

Subnet Mask  255.0.0.0 495

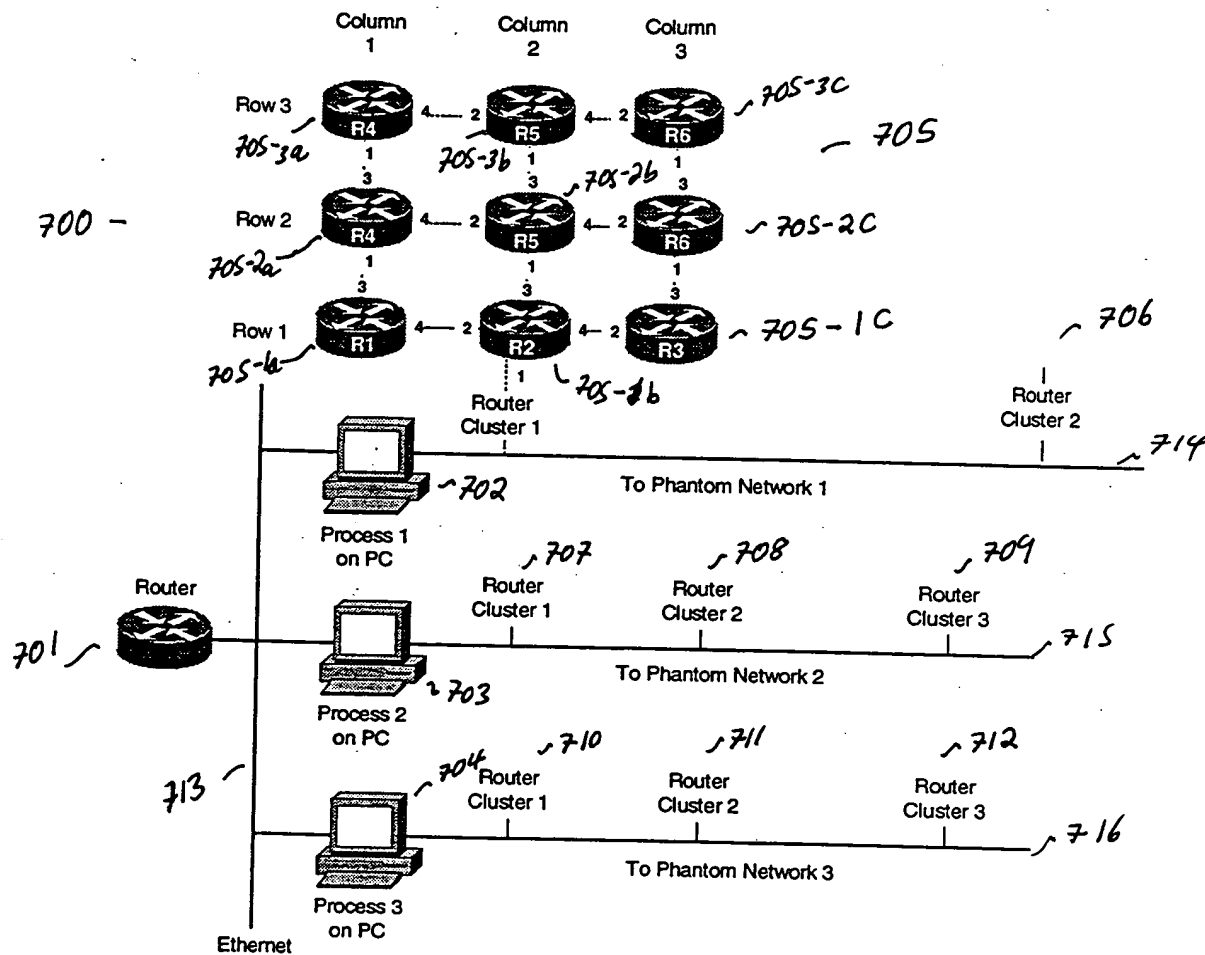


Figure 7

Figure 8A

800- 801

**Task Settings**

Task Name  803

Task Description  804

Device  805

**Query Settings**

802 Times to Query  806

Delay between Queries  807

☐ Save results to 808

Filename  809

Figure 8B

810-

**Status Information**

<input type="checkbox"/> Neighbors 811	<input type="checkbox"/> Summary 820
<input type="checkbox"/> CIDR 812	<input type="checkbox"/> Inconsistent AS 821
<input type="checkbox"/> Path 813	<input type="checkbox"/> Dampened Paths 822
<input type="checkbox"/> Peer Groups 814	<input type="checkbox"/> Flap Statistics 823
<input type="checkbox"/> Network 815	<input type="text" value="0.0.0.0"/> 824
<input type="checkbox"/> Community Number 816	<input type="text" value="0"/> 825
<input type="checkbox"/> Community List 817	<input type="text" value="0"/> 826
<input type="checkbox"/> Filter List 818	<input type="text" value="0"/> 827
<input type="checkbox"/> Regular Expression 819	<input type="text" value="0"/> 828

Figure 8C

829-

**Status Information**

<input type="checkbox"/> Neighbors 830	<input type="checkbox"/> Interface 832
<input type="checkbox"/> Traffic 831	<input type="checkbox"/> Topology 833

Figure 8D

834-

**Status Information**

<input type="checkbox"/> Border Routers 835	<input type="checkbox"/> Database 838
<input type="checkbox"/> Interface 836	<input type="checkbox"/> Neighbors 839
<input type="checkbox"/> Summary Address 837	<input type="checkbox"/> Virtual Links 840

☐ Request List 850

Neighbor Router ID <input type="text" value="192.168.1.1"/> 851	Interface <input type="text" value="GigabitEthernet0/0"/> 852
---	---

☐ Retransmission List 853

Neighbor Router ID <input type="text" value="192.168.1.2"/> 854	Interface <input type="text" value="GigabitEthernet0/0"/> 855
---	---

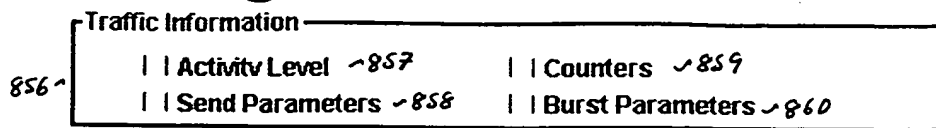


Figure 8E

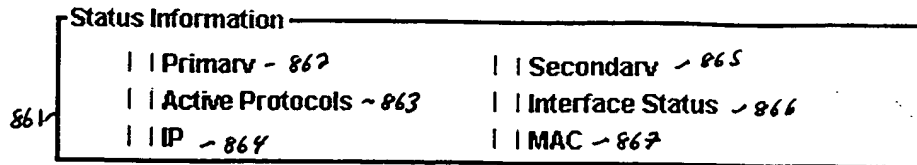


Figure 8F

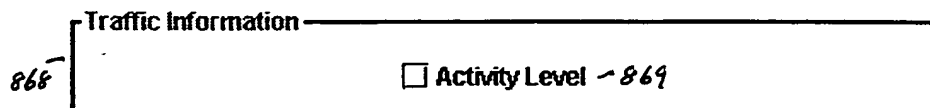
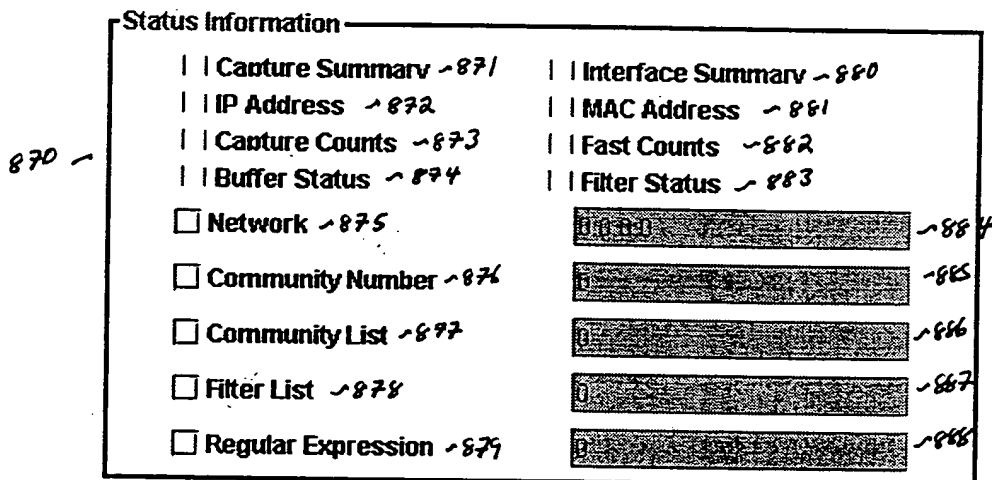


Figure 8G



# Script

9002

Task Settings	
<u>901</u>	Task Name <input type="text"/> ~902
	Task Description <input type="text"/> ~903

Script Editor
<u>904</u>

Figure 9

00070724-000709

910

Figure 10

NVI - Profile	
Profile	
Profile Name	<input type="text"/>
Profile Description	<input type="text"/>
Profile Editor	
Profile Content	Profile
<u>915</u>	<u>914</u>
Buttons: Add, Remove, View, Edit, Cancel	

911

912

913

916